Participant Questionnaire

Participant number: _	8		С	Date: 7/3/2	23
Location: Bresc	ia, IT				
HRC Study / Algorithm	Jaured Flo	AR-PAF	-	- Security	
Study Conducted by: _	Jaured Flo	wers			
Participant link lengths/	dimensions: (meters, "spine" is	pelvis to shoulder	r midpoint, "shoulders'	' is shoulder to	shoulder)
S pine	Left Upper Arm	.37	Right Upper Arm	.34	
Neck	Left Forearm	-30	Right Forearm	.28	
Shoulders					
Participant joint diamete	er: (meters)				
Left Elbow . So	Right Elbow	.10			
Left Wrist	Carrier of A. M. Control	.07			

Questions:

- A. How safe did you feel? (0 is not safe at all, 5 is neutral, 10 is very safe)
- B. Do you think the robot hindered your motions during the task? (0 is robot completely prevented your motions, 5 is neutral, 10 is robot did not impede you motion)
- C. Did the robot perform logical motions? (0 is robot motions made no sense to you, 5 is neutral, 10 is robot motions made sense to you)
- D. What is your overall satisfaction with the HRC task? (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)

	2		
Participant number: _		Date:	1 1

For Task 1 (engine parts): (circle your answer to each question)

Task 1, Mo	ethod 1:								40. H. S.	3
Question	A: (0 is not	safe at all,	5 is neutral	, 10 is very	safe)					0
0	1	2	3	4	5	6	7	8	9	(10)
Question	B: (0 is rob	ot complete	ely prevent	ed your mo	tions, 5 is r	neutral, 10 i	s robot did	not impede	e you moti	on)
0	1	2	3	4	5	6	7	8	9	(10)
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sens	e to you)	
0	1	2	3	4	5	6	7	8	9	(10)
Question D: (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)							obot)			
О	1	2	3	4	5	6	7	8	9	(10)

Task 1, Me	thod 2:		Σ.	ii ii						2
Question /	A: (0 is not	safe at all, 5	is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	7	8	(<u>9</u>)	10
Question I	B: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is r	neutral, 10 i	s robot did	not imped	e you motic	on)
0	1	2	3	4	5	6	7	8	9	10
Question (C: (0 is rob	ot motions i	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	made sens	se to you)	
0	1	2	3	4	5	6	7	8	9	(10)
Question D: (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)										
0	1	2	3	4	5	6	7	8	9	10

Task 1, Me	ethod 3:		120							i
Question	A: (0 is not	t safe at all,	5 is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	7	8	9	(10)
Question I	B: (0 is rob	ot complete	ely prevent	ed your mo	tions, 5 is r	neutral, 10 i	s robot did	not imped	e you motio	on)
0	1	2	3	4	5	6	7	8	(9)	10
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	made sens	se to you)	
0	1	2	3	4	5	6	7	8	9	10
Question D	: (0 is you v	would not wo	rk in this HR	C cell again,	5 is neutral,	, 10 is you er	njoyed work	ing in this ce	ll with the ro	bot)
0	1	2	3	4	5	6	7	8	9	(10)

Comments: Experience: 8

For Task 2 (Sharework parts: metal tabs, cylinders, pallets): (circle your answer to each question)

Task 2, Mo	ethod 1:									7
Question	A: (0 is not	safe at all, 5	is neutral	, 10 is very	safe)				aut.	
0	1	2	3	4	5	6	7	8	(9)	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is n	eutral, 10 i	s robot did	not imped	e you motio	n)
0	1	2	3	4	5	6	7	8	(9)	10
Question	C: (0 is rob	ot motions r	made no se	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sens	se to you)	
0	1	2	3	4	5	6	7	8	(9)	10
Question D: (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)										
0	1	2	3	4	5	6	7	8	6	10

Task 2, Me	thod 2:			11 22			10 17 A 1877 D			7
Question A	A: (0 is not	safe at all, 5	is neutral	, 10 is very	safe)			3		
0	1	2	3	4	5	6	7	8	9	10
Question E	3: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is r	neutral, 10 i	s robot did	not imped	e you motio	on)
0	1	2	3	4	5	6	7	8	9	10
Question (C: (0 is rob	ot motions r	nade no se	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sens	e to you)	•
0	1	2	3	4	5	6	7	8	9	10
Question D	: (0 is you v	vould not wor	k in this HR	C cell again,	5 is neutral,	10 is you en	joyed worki	ng in this ce	ll with the ro	bot)
0	1	2	3	4	5	6	7	8	9	(10)

Task 2, Me	ethod 3:		4)			ar ar	345.0			- 1
Question	A: (0 is not	safe at all, !	5 is neutral	, 10 is very	safe)					
0	1	2	3	4	.5	6	7	8	9	(10)
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is r	neutral, 10 i	s robot did	not impede	e you moti	on)
0	1	2	3	4	5	6	7	8	9	(10)
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sens	e to you)	
0	1	2	3	4	5	6	7	8	9	(10)
Question D	: (0 is you v	vould not wo	rk in this HR	C cell again,	5 is neutral,	10 is you en	ijoyed worki	ng in this cel	l with the r	obot)
0	1	2	3	4	5	6	7	8	9	(10)

Comments: TZ-m 4: A 10 B 10 C 10 D 10
TZ-m 5: A 10 B 10 C 10 D 10

	α		
Participant number: _	<u>D</u>	Date:	